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JULY 1 U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

Our Docket No.: I69.12-0487 Date: March 15, 2001

First Named Inventor: Peter Crane et al.

Title: MICRO-ACTUATOR STRUCTURE FOR IMPROVED STABILITY

Express Mail No.: EL705878409US

J1046 U.S. PRO  
09/608843  
03/15/01

## APPLICATION ELEMENTS

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

1.  Fee Calculation Sheet  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status
3.  Specification Total Pages [15]
  - Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed. Sponsored R&D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claims
  - Abstract of the Disclosure
4.  Drawings (35 U.S.C. 113) Total Sheets [5]
5.  Oath or Declaration Total Pages [2]
  - a.  Newly Executed (original or copy)
  - b.  Copy from a prior application (37 C.F.R. 1.63(d) - for continuation/divisional with Box 18 completed)
 

[Mark Box 5 below]

    - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b)
6.  Application Data Sheet. See 37 CFR 1.76.

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(If applicable, all necessary)
  - a.  Computer Readable Copy (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies; or
    - ii.  Paper
  - c.  Statements verifying identify of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. 3.73(b) Submission
- Power of Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement with copies of Citations as necessary
13.  Preliminary Amendment Total Pages []
14.  Return Receipt Postcard (Should be specifically itemized)
15.  Certified Copy of Priority document(s) (If foreign priority is claimed)
16.  Request and Certification under 35 U.S.C.122(b)(2)(B)(i). (Nonpublication Request)
17.  Other

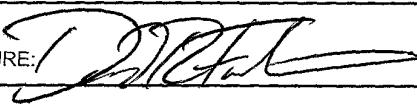
18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Division     Continuation-in-part (CIP) of prior Application No.

Prior Application Information: Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

ATTY NAME AND REG. NO.	David R. Fairbairn Reg. No. 26,047	SIGNATURE: 
ADDRESS	Kinney & Lange, P.A. THE KINNEY & LANGE BUILDING 312 South Third Street Minneapolis, MN 55415-1002	
TELEPHONE	(612) 339-1863	FAX: (612) 339-6580

# FEE TRANSMITTAL

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1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. 1.16 and 1.17 and credit any over payments to Deposit Account No.11-0982. Deposit Account Name. Kinney & Lange, P.A.						<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee (\$)</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - Late filing fee or oath</td><td>*</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>*</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td>*</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For Filing a Request for Reexamination</td><td>*</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td>*</td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td>*</td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td>*</td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td>*</td></tr> <tr><td>128</td><td>1,890</td><td>280</td><td>945</td><td>Extension for reply within fifth month</td><td>*</td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td>*</td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td>*</td></tr> <tr><td>148</td><td>110</td><td>248</td><td>55</td><td>Terminal Disclaimer Fee</td><td>*</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td>*</td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td>*</td></tr> <tr><td>142</td><td>1,270</td><td>242</td><td>650</td><td>Utility/Reissue issue fee (inc advance copies)</td><td>*</td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee (inc advance copies)</td><td>*</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td>*</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td>*</td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Statement</td><td>*</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>X</td></tr> <tr><td colspan="6">Other fee (specify) _____</td><td colspan="2"></td><td></td></tr> <tr> <td colspan="6">Subtotal (1) \$710.00</td> <td colspan="2"></td> <td>Subtotal (3) \$40.00</td> </tr> <tr> <td colspan="6">Subtotal (2) \$</td> <td colspan="2"></td> <td></td> </tr> </tbody> </table>				Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee paid	105	130	205	65	Surcharge - Late filing fee or oath	*	127	50	227	25	Surcharge - late provisional filing fee or cover sheet	*	139	130	139	130	Non-English specification	*	147	2,520	147	2,520	For Filing a Request for Reexamination	*	115	110	215	55	Extension for reply within first month	*	116	390	216	195	Extension for reply within second month	*	117	890	217	445	Extension for reply within third month	*	118	1,390	218	695	Extension for reply within fourth month	*	128	1,890	280	945	Extension for reply within fifth month	*	120	310	220	155	Filing a brief in support of an appeal	*	121	270	221	135	Request for oral hearing	*	148	110	248	55	Terminal Disclaimer Fee	*	140	110	240	55	Petition to revive - unavoidable	*	141	1,240	241	620	Petition to revive - unintentional	*	142	1,270	242	650	Utility/Reissue issue fee (inc advance copies)	*	143	440	243	220	Design issue fee (inc advance copies)	*	122	130	122	130	Petitions to the Commissioner	*	123	50	123	50	Petitions related to provisional applications	*	126	180	126	180	Submission of Information Disclosure Statement	*	581	40	581	40	Recording each patent assignment per property (times number of properties)	X	Other fee (specify) _____									Subtotal (1) \$710.00								Subtotal (3) \$40.00	Subtotal (2) \$								
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Signature

David R. Fairbairn

Date

3/15/01

Reg. No.

26,047

Deposit Account No.

11-0982

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor : Peter Crane et al.	
Appln. No. :	
Filed : Herewith	Group Art Unit:
Title : MICRO-ACTUATOR STRUCTURE FOR IMPROVED STABILITY	Examiner:
Docket No. : I69.12-0487	

**SUBMISSION UNDER 37 C.F.R. 3.73(b)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Seagate Technology LLC, a Delaware corporation, is an owner of the patent application identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_, Frame \_\_\_, or a copy of which is attached.

OR

B.  A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of  
which is attached.

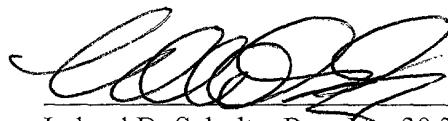
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of  
which is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of which is attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of Seagate Technology LLC.

Signature:



Leland D. Schultz, Reg. No. 30,322

Date:

3/6/01

Title:

Senior Director of Intellectual Property  
and Technology Management